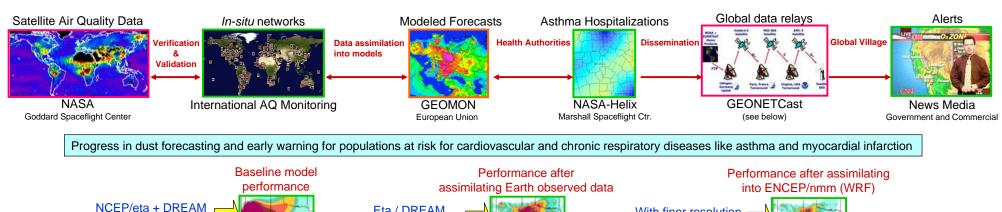
Early Achievements in Air Quality and Health



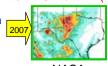
NCEP/eta + DREAM before satellite data assimilation into model. Dust storm in SW USA in Jan. '03

Univ of Malta UNM / UA

Eta / DREAM enhanced with satellite bare ground observations

NASA UNM / UA / WMO

With finer resolution satellite weather observations



NASA UNM / UA / WMO

Examples of air quality and /health models based on geospatial techniques, satellite data assimilation techniques, and biostatistical techniques from air quality centers and laboratories in the United States and European Union. These are all produced by GEO members and participating organizations to facilitate health decisions.

Europe O₃

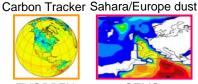
GEMS Global Reactive Gases Grp. Imperial College London US Dept Commerce



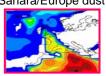
SAHSU



NOAA



THORPEX European Union



GEMS Aerosols Group

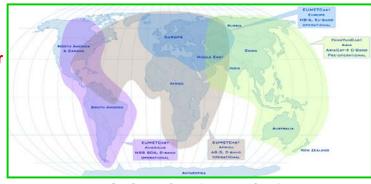


Global Reactive Gases Group



Global weather services for health alerts

Orange boxes = emerging products: Red boxes = developmental; Green boxes = collaborations



GEONETCast (EUMETSAT)

Prepared by Stan Morain and Amelia Budge on behalf of GEO/UIC and ISPRS TC-VIII/2